

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method of broadcasting television programming ~~including~~ comprising:

generating an analog video signal;
digitally encrypting an audio signal to provide a digitally encrypted audio signal;
modulating a carrier with said digitally encrypted audio signal and said analog video signal; and

broadcasting said audio and video signals, wherein said digitally encrypted audio signal is broadcast using a plurality of overlapping subcarriers and the video signal is broadcast using an accompanying subcarrier.

Claim 2 (original): The method of claim 1 wherein modulating a carrier with said digitally encrypted audio signal includes using orthogonal frequency division multiplexing to form symbols.

Claim 3 (original): The method of claim 2 including using an inverse Fourier transform to convert a frequency domain signal back to the time domain.

Claim 4 (original): The method of claim 3 including providing a guard interval with an orthogonal frequency division multiplexing symbol.

Claim 5 (original): The method of claim 4 including providing said guard interval as a cyclic prefix.

Claims 6-10 (cancel)

Claim 11 (original): The method of claim 1 wherein generating an analog video signal includes generating an analog video signal with a graphical overlay pattern.

Claim 12 (currently amended): A television transmitter comprising:

a graphics pattern generator ~~that provides~~ to provide a graphics pattern to ~~overlay on~~ add to a frame of an analog video signal to form an obscured video signal;

an analog-to-digital converter ~~coupled to said graphics pattern generator~~ to receive an analog audio signal;

a digital encryption stage coupled to said analog-to-digital converter to generate a digital audio signal;

a modulator coupled to said digital encryption stage to generate a modulated audio signal;
and

a broadcaster to transmit the obscured video signal and the modulated audio signal.

Claim 13 (previously presented): The transmitter of claim 12 wherein said modulator is adapted to use orthogonal frequency division multiplexing.

Claim 14 (original): The transmitter of claim 13 further including an inverse Fourier transform unit coupled to said modulator.

Claim 15 (previously presented): The transmitter of claim 14 including a digital-to-analog converter coupled to said inverse Fourier transform unit.

Claim 16 (canceled)

Claim 17 (cancel)

Claim 18 (currently amended): A television receiver comprising:

a video detector to separate a received television signal into audio and video components;

a device coupled to said video detector to remove a graphics overlay ~~from~~ added to a frame of an analog video signal obtained from the received television signal;

an analog-to-digital converter coupled to receive an ~~said~~ audio signal obtained from the received television signal;

a decryption stage coupled to said analog-to-digital converter; and

a demodulator coupled to said decryption stage to demodulate a carrier ~~using a cyclic prefix as a guard interval~~.

Claim 19 (currently amended): The receiver of claim 18 wherein said demodulator is adapted to demodulate ~~using~~ via orthogonal frequency division multiplexing.

Claim 20 (original): The receiver of claim 18 further including a Fourier transform unit coupled to said demodulator.

Claim 21 (previously presented): The receiver of claim 20 including an digital-to-analog converter coupled to said Fourier transform unit.

Claim 22 (previously presented): The method of claim 5, wherein said cyclic prefix comprises a portion of a transmitted symbol.

Claim 23 (previously presented): The method of claim 22, wherein said portion comprises a tail of said transmitted symbol.

Claim 24 (previously presented): The transmitter of claim 12, wherein the modulator is adapted to insert a cyclic prefix onto symbols of said modulated audio signal.

Claim 25 (previously presented): The transmitter of claim 24, wherein said cyclic prefix comprises a portion of said symbols.

Claim 26 (currently amended): The receiver of claim ~~[[18]]~~ 27, wherein said guard interval comprises a portion of a received symbol.

Claim 27 (new): The receiver of claim 18, wherein the demodulator is to demodulate the carrier using a cyclic prefix as a guard interval.

Claim 28 (new): The method of claim 11, further comprising encrypting a pattern identifier associated with the graphical overlay pattern and broadcasting the encrypted pattern identifier with the audio and video signals.

Claim 29 (new): The method of claim 28, further comprising broadcasting the encrypted pattern identifier in a video blanking interval of the broadcast video signal.

Claim 30 (new): The receiver of claim 18, further comprising a frame buffer coupled to the video detector to store the frame of the analog video signal.

Claim 31 (new): The receiver of claim 18, further comprising a software routine to receive a pattern identifier associated with the graphics overlay and to generate a complementary graphics overlay based on the pattern identifier.

Claim 32 (new): The receiver of claim 31, wherein the software routine is to add the complementary graphics overlay to the frame of the analog video signal.

Claim 33 (new): The television transmitter of claim 12, wherein the modulator is to band limit the modulated audio signal.